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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,556	04/01/2004	Thomas E. Dowdy	P1916C/526C	1243
29141	7590	03/23/2006	EXAMINER	
SAWYER LAW GROUP LLP P O BOX 51418 PALO ALTO, CA 94303			RAHMJOO, MANUCHEHR	
		ART UNIT	PAPER NUMBER	
		2628		

DATE MAILED: 03/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/816,556	DOWDY, THOMAS E.
	Examiner	Art Unit
	Mike Rahmoo	2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 16 February 2006.

2a) This action is FINAL.                            2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1,4- 11, and 17- 27 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1,4- 11, and 17- 27 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_

5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Sakoda et al (US Patent 5559954), hereinafter, Sakoda.

As per claims 1 and 17 Sakoda teaches providing a first format in a first frame buffer, the first format compatible with a format for an application program see for example column 13 lines 65- 67 for the first pixel storage means corresponding to the first buffer; providing a second format in a second frame buffer, the second format compatible with a format for an output device see for example column 14 lines 5- 10 for the second pixel storage means corresponding to the second buffer; and transforming data inputs from the application program from the first format in the first

frame buffer to the second format in the second frame buffer for output on the output device to provide compatibility between the application program and the output device without altering the application program see for example column 14 lines 10- 25 for the transferring compatible pixel data to be output and displayed on display device.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1,4- 11, and 17- 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Lippincott (US Patent 5917729).

As per claims 1 and 17 Lippincott teaches providing a first format in a first frame buffer, the first format compatible with a format for an application program see for example fig. 1 block 110 or fig. 2 block 210 corresponding to first format in the first buffer; providing a second format in a second frame buffer, the second format compatible with a format for an output device see for example fig. 1 block 120 or fig. 2 block 220 corresponding to the second format in the second buffer; and transforming data inputs from the application program from the first format in the first frame buffer to the second format in the second frame buffer for output on the output device to provide compatibility between the application program and the output device without altering the application program see for example fig. 1- 2 and column 5 lines 50- 55 through column

6 lines 60- 65 for the formation of merged pixel streams and displaying said data stream.

As per claims 4 and 18 Lippincott teaches the first format comprises a first resolution see for example column 5 line 41 for the RGB format.

As per claims 5 and 19 Lippincott teaches the first format comprises a first depth see for example column 5 line 41 for the RGB format.

As per claims 6 and 20 Lippincott teaches the first format comprises a first video standard see for example column 5 line 41 for the RGB format.

As per claims 7 and 21 Lippincott teaches the second format comprises a second resolution see for example column 5 line 43 for the YUV format.

As per claims 8 and 22 Lippincott teaches the second format comprises a second depth see for example column 5 line 43 for the YUV format.

As per claims 9 and 23 Lippincott teaches the second format comprises a second video standard see for example column 5 line 43 for the YUV format.

As per claims 10 and 24 Lippincott teaches providing a first format comprises providing a first aperture card see for example fig. 1- 2 for the graphics controller 140 and 240.

As per claims 11 and 25 Lippincott teaches providing a second format comprises providing a second aperture card fig. 1- 2 for the graphics controller 140 and 240.

As per claims 26 and 27 Lippincott teaches the first format in the first frame buffer is not compatible with the output device see for example column 5 lines 35- 40 for the expanded single frame buffer mode.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patent 5680175.

**Inquiry**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Rahmjoo whose telephone number is 571-272-7789. The examiner can normally be reached on 8 AM- 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on 571-272-7794. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Rahmjoo

February 17, 2006



**Kee M. Tung**  
**Primary Examiner**